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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:	)	Atty. Docket No.:
<b>MOREHEAD ET AL</b>	)	<b>78480 (35-64 US)</b>
	)	
Serial No. <b>10/661,435</b>	)	Art Unit: <b>2828</b>
	)	
Filing Date: <b>09/12/2003</b>	)	Examiner:
	)	<b>VAN ROY, TOD THOMAS</b>
Confirmation No. <b>8144</b>	)	
	)	
For: <b>LASER HAVING &lt;100&gt;-ORIENTED</b>	)	
<b>CRYSTAL GAIN MEDIUM</b>	)	
	)	

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
U.S.A.

**AMENDMENT**

Sir:

In reply to the Office Action dated July 20, 2005, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.

**Amendments to the Drawings** begin on page 12 of this paper.

**Remarks/Arguments** begin on page 13 of this paper. A replacement sheet including amended drawing figures is attached following page 21 of this paper.